

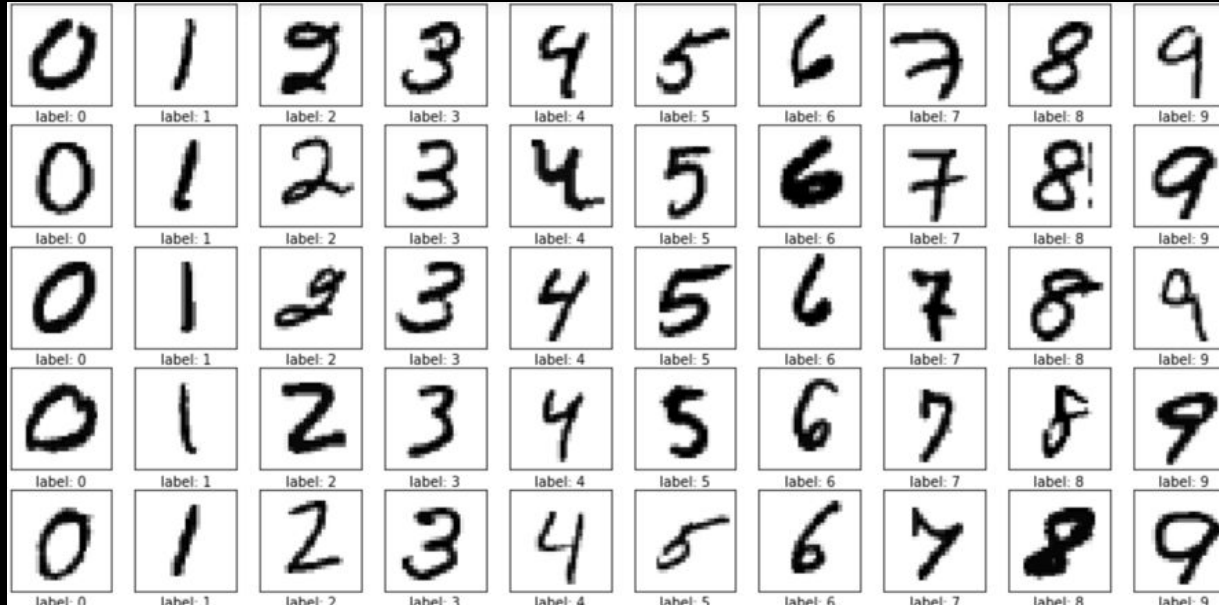
딥러닝 기초

-07-

이미지 분류

손글씨 분류

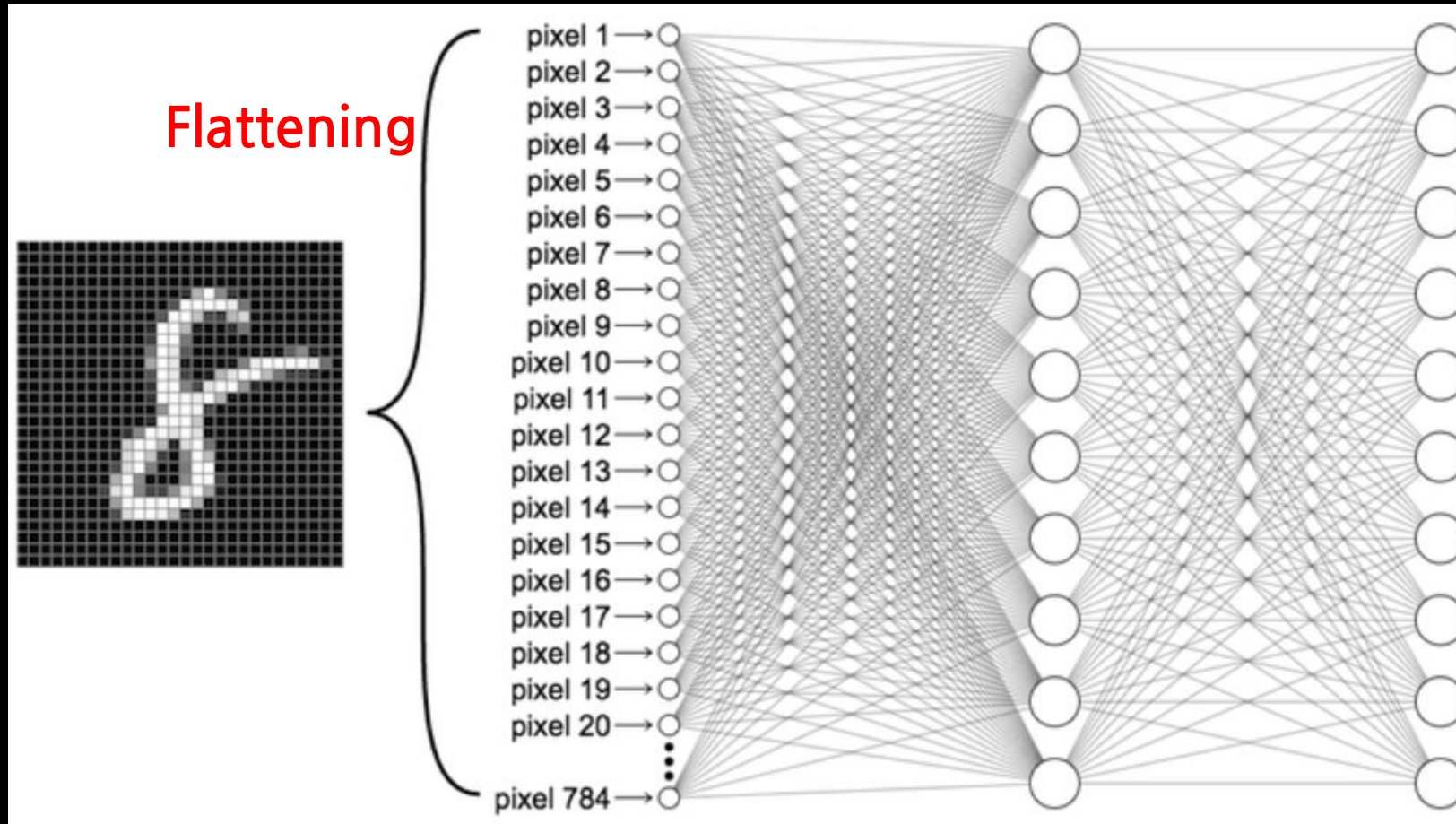
MNIST (손글씨 분류)



Dataset of small square **28×28 pixel grayscale images** of handwritten single digits between 0 and 9.

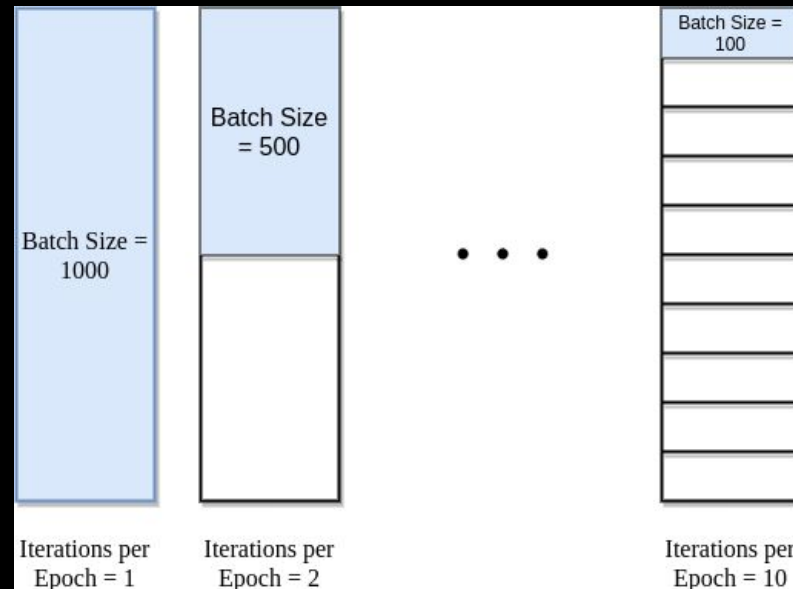
60,000 examples in the **training** dataset and **10,000** in the **test** dataset

Neural Network



Batch Size

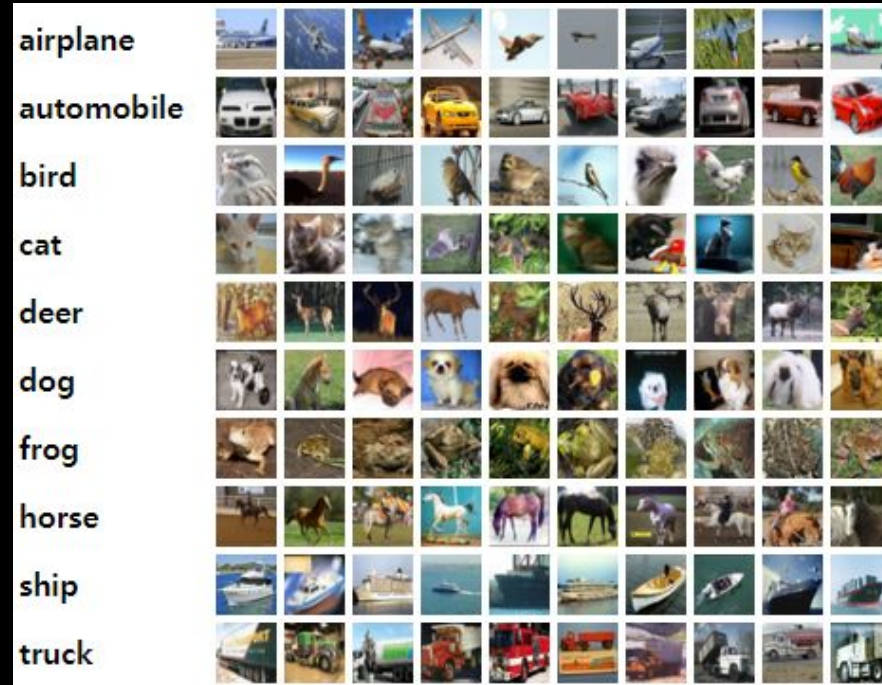
let's consider a simple example where we have 1000 data points



If the batch size is 1000, we can complete an epoch with a single iteration.
If the batch size is 500, an epoch takes two iterations.
If the batch size is 100, an epoch takes 10 iterations to complete.

사물 분류

CIFAR-10



The CIFAR-10 dataset consists of **60000 32x32 colour images in 10 classes**, with 6000 images per class. There are 50000 training images and 10000 test images.

Q&A